

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

### In re Patent Application Nos:

10/636,512  
10/876,280  
10/365,353  
09/790,429  
09/935,243  
09/935,081  
10/000,230  
10/178,207  
10/602,353  
10/602,364  
09/710,614  
09/799,411  
09/735,977  
09/639,465

Customer No.: 30678

### **Revocation and Power of Attorney**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

All previous powers of attorney and authorizations of agent are hereby revoked, and the undersigned hereby appoints the attorneys and agents of Connolly Bove Lodge & Hutz LLP associated with U.S. Patent and Trademark Office ("PTO") Customer Number 30678 to prosecute these applications and any U.S., foreign, or international applications under the Patent Cooperation Treaty based on them and to transact all business in the PTO connected therewith, and to receive all communications from the PTO, including the patent documents. Further details about each application are found in the Appendix to this paper. The authority under this Power of Attorney of each person listed under the aforementioned PTO Customer Number shall automatically terminate and be revoked upon such person ceasing to be associated with Connolly Bove Lodge & Hutz LLP.

***Designation of Correspondence Address***

Please associate all of these applications with PTO Customer Number 30678 and send all notices, official letters, documents, communications, and other correspondence regarding these applications to:

Connolly Bove Lodge & Hutz LLP  
1875 Eye Street NW, Suite 1100  
Washington, DC 20006

or to the address currently associated with PTO Customer Number 30678. Please also record the respective Attorney Docket Numbers in the attached appendix in any applicable databases.

***Certificate Under 37 C.F.R. § 3.73(b)***

Mworks Wireless Holdings LLC is the assignee of the entire right, title, and interest in these patents and applications by virtue of an assignment from Credit Managers Association of California dba CMA Business Credit Services to Mworks Wireless Holdings LLC, recorded in the records of the PTO on September 18, 2008 at Reel 021547, Frame 0346. To the best of the undersigned's knowledge and belief, the titles are in the name of said assignee. The undersigned, whose title is supplied below, is empowered to sign this certificate on behalf of Mworks Wireless Holdings LLC.

Signed: 

Date: 9/22/2008

Name: Jeff Kern

Title: Authorized Person for Mworks Wireless Holdings LLC

**APPENDIX: DETAILS OF LISTED APPLICATIONS**

Appln. No.	Confirmation No.	Patent No.	Filing Date	First Named Inventor	Title	Attorney Docket No.
10/636,512	9949		8/6/2003	James Crawford	OFDM Pilot Tone Tracking for Wireless LAN	27592-01079-US4
10/876,280	8665		6/23/2004	Dennis Connors	Data Link Control Architecture for Integrated Circuit Devices	27592-01082-US2
10/365,353	6406		2/11/2003	Celio Albuquerque	Hierarchically Distributed Scheduling Apparatus and Method	27592-01094-US1
09/790,429	8588	6,549,583	2/21/2001	James Crawford	Optimum Phase Error Metric for OFDM Pilot Tone Tracking in Wireless LAN	27592-01079-US1
09/935,243	1215	6,549,561	8/21/2001	James Crawford	OFDM Pilot Tone Tracking for Wireless LAN	27592-01079-US2
09/935,081	9274	6,633,616	8/21/2001	James Crawford	OFDM Pilot Tone Tracking for Wireless LAN	27592-01079-US3
10/000,230	9235	6,879,840	11/30/2001	Javad Razavilar	Method and Apparatus for Adaptive QOS-Based Joint Rate & Power Control Algorithm in Multi-Rate Wireless Systems	27592-01084-US1
10/178,207	6123	6,650, 616	6/24/2002	James Crawford	Transmission Security for Wireless Communications	27592-01075-US2
10/602,353	1703	6,882,191	6/23/2003	Sai Kwok	Rectifier Type Frequency Doubler with Harmonic Cancellation	27592-01091-US1
10/602,364	1142	6,836,180	6/23/2003	Sai Kwok	Poly-Phase Networking with Resonant Circuit Bandpass Shaping	27592-01089-US1
09/710,614	5581	6,438,367	11/9/2000	James Crawford	Transmission Security for Wireless Communications	27592-01075-US2
09/799,411	3642	6,456,242	3/5/2001	James Crawford	Conformal Box Antenna	27592-01086-US1

Appln. No.	Confirmation No.	Patent No.	Filing Date	First Named Inventor	Title	Attorney Docket No.
09/735,977	5691	6,456,245	12/13/2000	James Crawford	Card-Based Diversity Antenna Structure for Wireless Communications	27592-01078-US1
09/693,465	7124	6,433,742	10/19/2000	James Crawford	Diversity Antenna Structure for Wireless Communications	27592-01080-US1